

AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A liquid crystal display device comprising:

a first substrate;

a second substrate facing the first substrate, a space for housing liquid crystal molecules being formed between the first substrate and the second substrate;

a plurality of liquid crystal molecules formed in the space in a predetermined arrangement; and

a plurality of electrode[[s]] ~~pairing and pairs~~ disposed on the first substrate, all the electrode ~~pairs~~ being ~~disposed~~ parallel with each other, each pair of electrode[[s]] ~~pairs comprising~~ ~~consisting of~~:

a first electrode with a first end and two symmetric first lateral sides connecting with the first end, formed on the first substrate; and

a second electrode with a second end and two symmetric first lateral sides connecting with the first end, formed on the first substrate, the first end facing the second end with a discharge gap therebetween;

wherein when an external voltage is applied between the first and the second electrodes, an axially symmetric electrical field is generated to change the arrangement of the liquid crystal molecules.

Claim 2 (Currently amended): The liquid crystal display device of claim 1, wherein the predetermined arrangement of the liquid crystal molecules is in a vertical alignment, each liquid crystal molecule has a longitudinal ~~[[axe]]~~ axis, and the longitudinal ~~[[axe]]~~ axis is substantially perpendicular to the first

substrate.

Claim 3 (Currently amended): The liquid crystal display device of claim 1, wherein the predetermined arrangement of the liquid crystal molecules is in a vertical alignment, each liquid crystal molecule has a longitudinal [[axe]]axis, the longitudinal [[axe]]axis is substantially perpendicular to the second substrate.

Claim 4 (Currently amended): The liquid crystal display device of claim 1, wherein the predetermined arrangement of the liquid crystal molecules is in a horizontal alignment, each liquid crystal molecule has a longitudinal [[axe]]axis, and the longitudinal [[axe]]axis is substantially parallel to the first substrate and perpendicular to a line formed by the first end and the second end.

Claim 5 (Currently amended): The liquid crystal display device of claim 1, wherein the predetermined arrangement of the liquid crystal molecules is in a horizontal alignment, each liquid crystal molecules has a longitudinal [[axe]]axis, and the longitudinal [[axe]]axis is substantially parallel to the second substrate and perpendicular to a line formed between the first end and the second end.

Claim 6 (Currently amended): The liquid crystal display device of claim 1, wherein ~~a line is formed between the first end and the second end, and the~~ first and second electrodes are arranged axially with respect to each other and ~~wherein~~ the first electrode is symmetrical to the second electrode ~~by the~~ along ~~a line of axial symmetry.~~

Claim 7: (cancelled)

Claim 8 (previously presented): The liquid crystal display device of claim 1, wherein the width of the first electrode increases from the first end to the other end, and the width of the second electrode increases from the second end to the other end.

Claim 9 (previously presented): The liquid crystal display device of claim 1, wherein the thickness of the first electrode increases from the first end to the other end, and the thickness of the second electrode increases from the second end to the other end.

Claim 10 (currently amended): A liquid crystal display device having a plurality of display cells comprising:

a first substrate;

a second substrate facing the first substrate, a space for housing liquid crystal molecules being formed between the first substrate and the second substrate;

a plurality of liquid crystal molecules formed in the space in a predetermined arrangement; and

four electrodes disposed on the first substrate and at corners of each display cell;

wherein when an external voltage is applied between the ~~first and the second~~ four electrodes, an axially symmetric electrical field is generated to change the arrangement of the liquid crystal molecules.